

ILLUMINATION SYSTEM WITH VARIABLE ADJUSTMENT OF THE ILLUMINATION

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ABSTRACT

An illumination system comprises (a) a first optical element upon which a light beam impinges, where the first optical element has first raster elements that partition said light beam into light channels; (b) a second optical element that
10 receives said light channels, where the second optical element has a second raster elements; (c) an object plane that receives said light channels via said second optical element; and (d) an exit pupil that is provided with an illumination via said object plane. The system is characterized by an assignment of a member of said first raster elements and a member of said second raster elements to each of said
15 light channels to provide a continuous beam path from said first optical element to said object plane for each of said plurality of light channels. The assignment is changeable to provide an adjustment of said illumination in said exit pupil.